

2/9

a L	-periaxin PDZ Domain	
Murin	n 1 MEARSRSAEELRRAELVEIIVETEAQTGVSGINVAGGGKEGIFVRELREDSPAARSLSLQEGDQLLSARVFFENFKYEDALRLLQCAEPYKVSFCLK e 1 '''''''''''''''''''''''''''''''''''	97
Huma Murin Ra	NLS3 n RTVPTGDLALRPGTVSGYEIKGPRAKVAK LITOSI SPVKKKKHVPGALGVPADLAPVDVEFSFPKFSRLRRGTKAEAVRGPVPAAPARRRI OTERURVE e	197 197 197
Huma Murin Ra	n VAEEAQAARLAAAAPPPRKAKVEAEVAAGARFTAPQVELVGPRLPGAEVGVPQVSAPKAAPSAEAAGGFALHLPTLGLGAPAPPAVEAPAVGIQVPQVEL e :::: VM:.::::::::::::::::::::::::::::	297 297 297
Murin Ra	n PALPSLPTLPTLPCLETREGAVSVVVPTLDVAAPTVGVDLALPGAEVEARGEAPEVALKMPRL5FPRFGARAKEVAEAKVAKVSPEARVKGPRLRMPTFG it:::::::::::::::::::::::::::::::::::	397 397
Humai Murin Ra	T LSLLEPRPAAPE-VVESKLKLPTIKHPSLGIGVSGPEVKVPKGPEVKLPKAPEVKLPKVPEAALPEVRLPEVELPKVSEHKLPKVPEMAVPEVRLPEVEL SG::A:A::::::F::::A:::::A:::::V::::::::::	496 497 453
musim	T PKVSEMKLPKVPEMAVPEVRLPEVQLLKVSEMKLPKVPEMAVPEVRLPEVQLPKVSEMKLPEVSEVAVPEVRLPEVQLPKVPEMKVPEMKLPKVPEMKLP CONTROL OF THE CONTROL	576
Ra	P EMKLPEVQLPKVPEMAVPDVHLPEVQLPKVPEMKLPEMKLPEVKLPKVPEMAVPDVHLPEVQLPKVPEMKLPKMPEMAVPEVRLPEVQLPKV E DVR.:::::SEVKLPKM::::::TM.DI:::::MS::::M.:::R::::S::::TM.DI::::: If ::AV:D:H::DIQLPKVPEMKLPDMKLPKV::MAV:D::IPEVQLP:VS:::::ID::::R::L:::MS.V.::I:D::::D:::::ID::::ID::::ID::::ID::::ID::::ID::::ID::::ID::::ID::::ID::::ID::::ID::::ID::::ID::::ID::::ID::::ID::::ID:::ID::::ID::::ID::::ID::ID	665 645
185 (18 18 18 18	SEMKLPKVPEMAVPDVHLPEVQLPKVCEMKVPDMKLPEIKLPKVPEMAVPDVHLPEVQLPKVSEIRLPEMQVPKVPDVHLPKAPEVKLPRAPEVQLKATK SEMKLPKVPEMAVPDVHLPEVQLPKVCEMKVPDMKLPEIKLPKVPEMAVPDVHLPEVQLPKVSEIRLPEMQVPKVPDVHLPKAPEVKLPRAPEVQLKATK SEMKLPKVPEMAVPDVHLPEVQLPKVCEMKVPDMKLPEIKLPKVFEARAFEVAR	740
141 (41 11 14	AEQAEGMEFGFKMPKMTMPKLGRAESPSRGKPGEAGAEVSGKLVTLPCLQPEVDGEA-HVGVPSLTLPSVELDLPGALGLQGQVPAAKMGKGERAEGPEV SUMMERT STATE STAT	832
	AAGVREVGFRVPSVEIVTPQLPAVEIEEGRLEMIETKVKPSSKFSLPKFGLSGPKVAKAEAEGAGRATKLKVSKFAISLPKARVGAEAEAKGAGEAGLLP VV:G::::::::::::::::::::::::::::::::::	035
Ra	ALDLSIPQLSLDAHLPSGKVEVAGADLKFKGPRFALPKFGVRGRDTEAAELVPGVAELEGKGWGWDGRVKMPKLKMPSFGLARGKEAEVQGDRASPGEKA QS.P.SSK.S.DV:A:EKST.DG:VL QES:P:SAK:S:DV:A:EKSSI.DG:VL	1033 1025
numai	ESTAVQLKIPEVELVILGAQEEGRAEGAVAVSCHQLSGLKVSTARQVVTEGHDAGLRHPPLGISLPQVELTGFGEAGTPGQQAQSTVPSAEGTAGYRVQV ALIG A P TEK T VKP Q TG A QESVQ VST AS EIV S ALIG P TEK T VKP Q T	
Humar Murine Ra	PRVTLSLPGAQVAGGFLLVGEGVFKMPTVTVPQLELDVGLSRFAQAGEAATGEGGLRLKLPTLGARARVGGEGAEEQPPGAERTFCLSLPDVELSPSGGN REFT TO DEFEND TO SEND TO	1287 1221 1213
Ra	HAEYQVAEGEGEAGHKLKVRLPRFGLVRAKEGAEEGEKAKSPKLRLPRVGFSQSEHVTGEGSPSPEEEEEEEEGSGEGASGRRGRVRVRLPRVGLAAPSV:D:DG:L.:AK:::I:V:::V:	
Human Murine Rai	KASRGQEGDAAPKSPVREKSPKFRFPRVSLSPKARSGSGDQEEGGLRVRLPSVGFSETGAPGPARMEGAQAAAV* 1461 :V:K:::::TS::::G::::::1* 1391	
b S-	periaxin	
-	PDZ Domain	0.7
Murine Rai	t 1 :: ::::::::::::::::::::::::::::::::	97
Human Murine Rat	RTVPTGDLALRPGTVSGYEIKGPRAKVAKLVRVLSPAPALDCPSDPVSA-P*	

FIG. 2

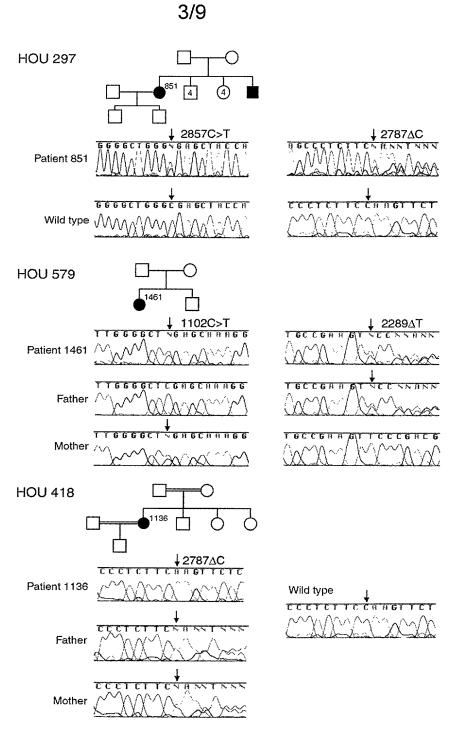
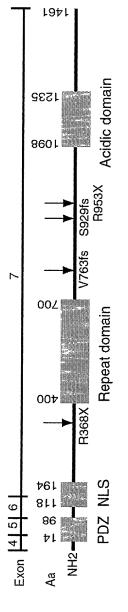


FIG. 3



ı	!		
Frequency	0/190	0/176	0/190
Phenotype Pathogenic Frequency Pathogenic Frequency Allele 1 Allele 2	2787∆C S929fsX957	2289∆T V763fsX774	2787∆C S929fsX957
Frequency	0/190	0/178	0/190
Pathogenic Allele 1	2857C>T R953X	1102C>T R368X	2787∆C S929fsX957
	DSN	DSN	DSN
Patient	851	1461	1136

FIG. 4

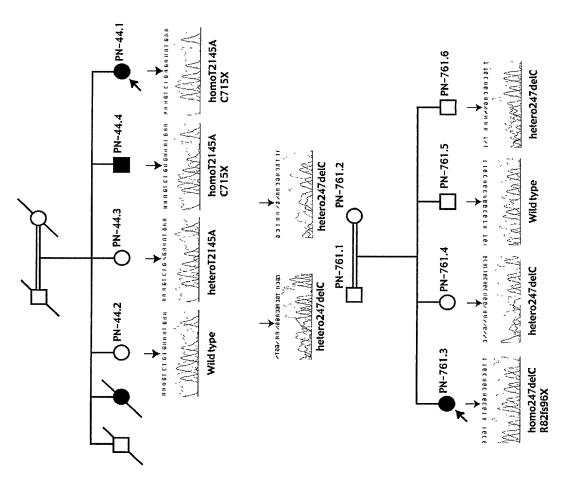


FIG. 5

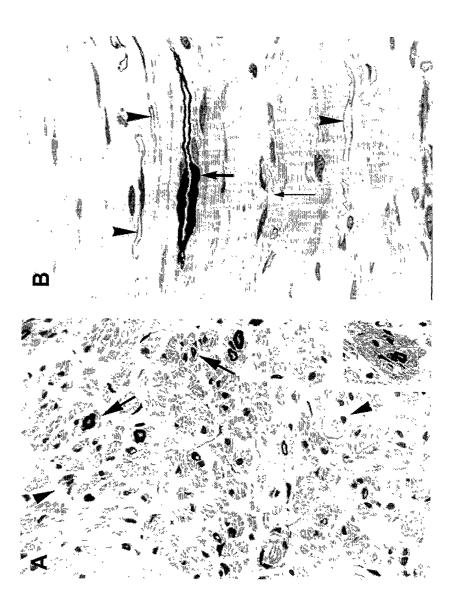


FIG. 6



FIG. 7

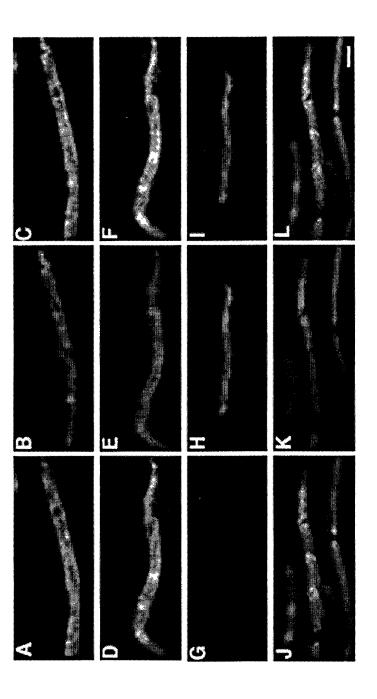


FIG. 8

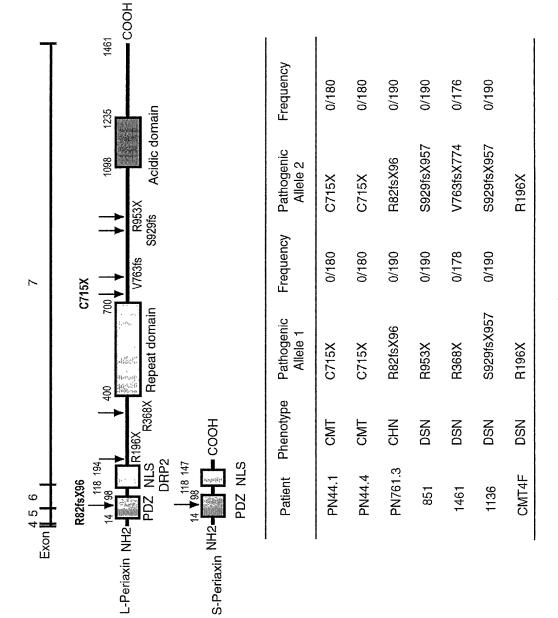


FIG. 0